



Attorney Docket No.: MSK.P-075

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Turk et al.
Serial No.: 10/680,062
Filed: October 6, 2003
Confirmation: 7430
Title: Liposomal system and method of using same

SUBMISSION OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the references listed on Substitute Form PTO-1449, which is enclosed, be made of record in the Patent Office file relating to the above-captioned application.

Copies of the references are provided herewith.

No fee is believed to be due with this paper as we have not received an action on the merits. The Commissioner is authorized to charge any fees which may be due to Deposit Account Number 15-0610.

Respectfully submitted,

OPPEDAHL & LARSON LLP

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PTO/SB/08a (08-03)

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Complete if Known

Application Number	10/680,062
Filing Date	10/6/2003
First Named Inventor	Turk et al.
Art Unit	1615
Examiner Name	
Attorney Docket Number	MSK.P-075

Sheet	1	of	4
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

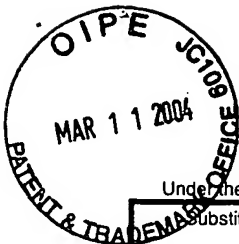
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Sheet 2

of

4

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Application Number 10/680,062

Filing Date 10/6/2003

First Named Inventor Turk et al.

Art Unit 1615

Examiner Name

Attorney Docket Number MSK.P-075

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ALEXANDER ET AL., Generation of tumor-specific cytolytic T lymphocytes from peripheral blood of cervical cancer patients by in vitro stimulation with a synthetic human papillomavirus type 16 E7 epitope, Am. J. Obstet. Gynecol., 1996, Page(s) 1586-1593, Volume 175	
		BOEL ET AL., BAGE: a New Gene Encoding an Antigen Recognized on Human Melanomas by Cytolytic T Lymphocytes, Immunity, 1995, Page(s) 167-175, Volume 2	
		BOON ET AL., Human Tumor Antigens Recognized by T Lymphocytes, J. Exp. Med., 1996, Page(s) 725-729, Volume 183	
		BRICHARD ET AL., A tyrosinase nonapeptide presented by HLA-B44 is recognized on a human melanoma by autologous cytolytic T lymphocytes, Eur. J. Immunol., 1996, Page(s) 224-230, Volume 26	
		CASTELLI ET AL., Mass Spectrometric Identification of a Naturally Processed Melanoma Peptide Recognized by CD8 ⁺ Cytotoxic T Lymphocytes, J. Exp. Med., 1995, Page(s) 363-368, Volume 181	
		CHANG ET AL., Immunogenicity of synthetic HIV-1 V3 loop peptides by MPL adjuvanted pH-sensitive liposomes, Vaccine, 1999, Page(s) 1540-1548, Volume 17	
		CHANG ET AL., Development of Th1-mediated CD8 ⁺ effector T cells by vaccination with epitope peptides encapsulated in pH-sensitive liposomes, Vaccine, 2001, Page(s) 3608-3614, Volume 19	
		COULIE ET AL., A mutated intron sequence codes for an antigenic peptide recognized by cytolytic T lymphocytes on a human melanoma, Proc. Natl. Acad. Sci. USA, 1995, Page(s) 7976-7980, Volume 92	
		DISIS ET AL., Oncogenic proteins as tumor antigens, Curr. Opin. Immunol., 1996, Page(s) 637-642, Volume 8	
		FINN ET AL., MUC-1 Epithelial Tumor Mucin-Based Immunity and Cancer Vaccines, Immunological Reviews, 1995, Page(s) 61-89, No. 145	
		FISK ET AL., Identification of an Immunodominant Peptide of HER-2/neu Protooncogene Recognized by Ovarian Tumor-specific Cytotoxic T Lymphocyte Lines, J. Exp. Med., 1995, Page(s) 2109-2117, Volume 181	

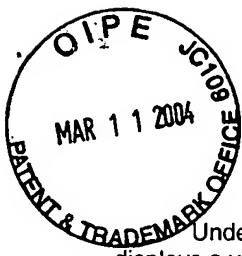
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				<i>Application Number</i>	10/680,062
				<i>Filing Date</i>	10/6/2003
				<i>First Named Inventor</i>	Turk et al.
				<i>Art Unit</i>	1615
				<i>Examiner Name</i>	
Sheet	3	of	4	<i>Attorney Docket Number</i>	MSK.P-075

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		GAUGLER ET AL., Human Gene MAGE-3 Codes for an Antigen Recognized on a Melanoma by Autologous Cytolytic T Lymphocytes, J. Exp. Med., 1994, Page(s) 921-930, Volume 179	
		GUILLOUX ET AL., A Peptide Recognized by Human Cytolytic T Lymphocytes on HLA-A2 Melanomas Is Encoded by an Intron Sequence of the N-Acetylglucosaminyltransferase V Gene, J. Exp. Med, 1996, Page(s) 1173-1183, Volume 183	
		KAWAKAMI ET AL., Recognition of Multiple Epitopes in the Human Melanoma Antigen gp100 by Tumor-Infiltrating T Lymphocytes Associated with In Vivo Tumor Regression, J. Immunol., 1995, Page(s) 3961-3968, Volume 154	
		KAWAKAMI ET AL., Identification of a human melanoma antigen recognized by tumor-infiltrating lymphocytes associated with in vivo tumor rejection, Proc. Natl. Acad. Sci. USA, 1994, Page(s) 6458-6462, Volume 91	
		PEOPLES ET AL., Breast and ovarian cancer-specific cytotoxic T lymphocytes recognize the same HER1/neu-derived peptide, Proc. Natl. Acad. Sci. USA, 1995, Page(s) 432-436, Volume 92	
		PINILLA-IBARZ ET AL., Vaccination of patients with chronic myelogenous leukemia with bcr-abl oncogene breakpoint fusion peptides generates specific immune responses, Blood, 03/01/2000, Page(s) 1781-1787, Volume 95, No. 5	
		RESSING ET AL., Occasional Memory Cytotoxic T-Cell Responses of Patients with Human Papillomavirus Type 16-positive Cervical Lesions against a Human Leukocyte Antigen-A *0201-restricted E7-encoded Epitope, Cancer Research, 1996, Page(s) 582-588, Volume 56	
		RICHARDS ET AL., Liposomes Containing Lipid A Serve as an Adjuvant for Induction of Antibody and Cytotoxic T-Cell Responses against RTS,S Malaria Antigen, Infection and Immunity, 1998, Page(s) 2859-2865, Volume 66, No. 6	
		ROBBINS ET AL., Cloning of a New Gene Encoding an Antigen Recognized by Melanoma-Specific HLA-A24-Restricted Tumor-Infiltrating Lymphocytes, J. Immunol., 1995, Page(s) 5944-5950, Volume 154	
		ROBBINS ET AL., A Mutated β -Catenin Gene Encodes a melanoma-specific Antigen Recognized by Tumor Infiltrating Lymphocytes, J. Exp. Med, 1996, Page(s) 1185-1192, Volume 183	
		ROBBINS ET AL., Human tumor antigens recognized by T cells, Curr. Opin. Immunol., 1996, Page(s) 628-636, Volume 8	

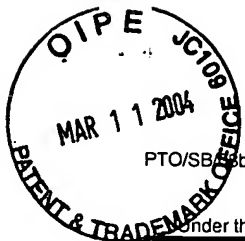
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		SAMUEL ET AL., Immunogenicity and Antitumor Activity of a Liposomal MUC1 Peptide-Based Vaccine, Int. J. Cancer, 1998, Page(s) 295-302, Volume 75	
		TOPALIAN ET AL., Melanoma-specific CD4 ⁺ T Cells Recognize Nonmutated HLA-DR-restricted Tyrosinase Epitopes, J. Exp. Med., 1996, Page(s) 1965-1971, Volume 183	
		TRAVERSARI ET AL., A Nonapeptide Encoded by Human Gene MAGE-1 Is Recognized on HLA-A1 by Cytolytic T Lymphocytes Directed against Tumor Antigen MZ2-E, J. Exp. Med., 1992, Page(s) 1453-1457, Volume 176	
		VAN DEN EYNDE ET AL., A New Family of Genes Coding for an Antigen Recognized by Autologous Cytolytic T Lymphocytes on a Human Melanoma, J. Exp. Med., 1995, Page(s) 689-698, Volume 182	
		VAN DER BRUGGEN ET AL., A Gene Encoding an Antigen Recognized by Cytolytic T Lymphocytes on a Human Melanoma, Science, 1991, Page(s) 1643-1647, Volume 254	
		VARSHAVSKY, The N-end rule: Functions, mysteries, uses, Proc. Natl. Acad. Sci. USA, 1996, Page(s) 12142-12149, Volume 93	
		WOLFEL ET AL., Two tyrosinase nonapeptides recognized on HLA-A2 melanomas by autologous cytolytic T lymphocytes, Eur. J. Immunol., 1994, Page(s) 759-764, Volume 24	
		WOLFEL ET AL., A p16 ^{INK4a} -Insensitive CDK4 Mutant Targeted by Cytolytic T Lymphocytes in a Human Melanoma, Science, 1995, Page(s) 1281-1284, Volume 269	

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